

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to "Commissioner for Patents, Washington, DC 20231" on

Atty Dkt No. 0450-0001

PATENT

#6

Date

Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

William Daniel Hill

Serial No.: 09/821,694

Filing Date: March 28, 2001

Group Art Unit: 1645

Examiner: Unassigned

Title: METHOD AND SEQUENCES FOR DETERMINATE NUCLEIC ACID HYBRIDIZATION

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, DC 20231

Sir:

This is an Information Disclosure Statement submitted for the Examiner's consideration. Applicant respectfully requests that the Examiner review and make of record the references identified below.

Forms PTO-1449 listing the references accompany this paper. Applicant would appreciate the Examiner's initialing and returning the forms to indicate that the references have been reviewed and made of record. The references are as follows:

U.S. PATENT DOCUMENTS		
PATENT NO.	ISSUE DATE	PATENTEE
4,483,964	11/20/84	Urdea et al.
4,517,338	5/14/85	Urdea et al.
4,683,195	7/28/87	Mullis et al.
4,683,202	7/28/97	Mullis
4,786,600	11/22/88	Kramer et al.
5,407,798	4/18/95	Martinelli et al.
5,437,975	8/1/95	McClelland et al.



U.S. PATENT DOCUMENTS		
PATENT NO.	ISSUE DATE	PATENTEE
5,492,806	2/20/96	Drmanac et al.
5,503,980	4/2/96	Cantor
5,508,169	4/16/96	Deugau et al.
5,525,464	6/11/96	Drmanac et al.
5,552,278	9/3/96	Brenner
5,695,940	12/9/97	Drmanac et al.
5,744,305	4/28/98	Fodor et al.
5,834,181	11/10/98	Shuber
6,090,589	7/18/00	Dimond et al.

OTHER DOCUMENTS
Alper (1994), "Drug Discovery on the Assembly Line," <i>Science</i> <u>264</u> :1399-1401.
Bains (1993), "Characterizing and Sequencing cDNAs using Oligonucleotide Hybridization," <i>J. DNA Sequencing and Mapping</i> <u>4</u> :143-150.
Brenner et al. (2000), "Gene Expression Analysis by Massively Parallel Signature Sequencing (MPSS) on Microbead Arrays," <i>Nature Biotechnology</i> <u>18</u> (6):630-634.
Breslauer et al. (1986), "Predicting DNA Duplex Stability from the Base Sequence," <i>Proc. Natl. Acad. Sci. USA</i> <u>83</u> :3746-3750.
Church et al. (1998), "Multiplex DNA Sequencing," <i>Science</i> <u>240</u> :185-188.
Drmanac et al. (1993), "DNA Sequence Determination by Hybridization: A Strategy for Efficient Large-Scale Sequencing," <i>Science</i> <u>260</u> :1649-1652.
Gyllensten et al. (1988), "Generation of Single-Stranded DNA by the Polymerase Chain Reaction and its Application to Direct Sequencing of the HLA-DQA Locus," <i>Proc. Natl. Acad. Sci. USA</i> <u>85</u> :7652-7656.
Liang et al. (1992), "Differential Display of Eukaryotic Messenger RNA by Means of the Polymerase Chain Reaction," <i>Science</i> <u>257</u> :967-971.
Maxam et al. (1977), "A New Method for Sequencing DNA," <i>Proc. Natl. Acad. Sci. USA</i> <u>74</u> (2):560-564.
Milligan et al. (1993), "Current Concepts in Antisense Drug Design," <i>Journal of Medicinal Chemistry</i> <u>36</u> (14):1923-1937.
Moriyama et al. (1998), "Synthesis and RNA Polymerase Incorporation of the Degenerate Ribonucleotide Analogue rPTP," <i>Nucleic Acids Research</i> <u>26</u> (9):2105-2111.
Needels et al. (1993), "Generation and Screening of an Oligonucleotide-Encoded Synthetic Peptide Library," <i>Proc. Natl. Acad. Sci. USA</i> <u>90</u> :10700-10704.

OTHER DOCUMENTS
Pavlov et al. (1994), "DNA Replication Fidelity with 8-Oxodeoxyguanosine Triphosphate," <i>Biochemistry</i> <u>33</u> :4695-4701.
Sanger et al. (1977), "DNA Sequencing with Chain-Terminating Inhibitors," <i>Proc. Natl. Acad. Sci. USA</i> <u>74</u> (12):5463-5467.
Scheda et al. (1995), "Quantitative Monitoring of Gene Expression Patterns with a Complementary DNA Microarray," <i>Science</i> <u>270</u> :467-469.
Unrau et al. (1994), "Non-Cloning Amplification of Specific DNA Fragments from Whole Genomic DNA Digests Using DNA 'Indexers,'" <i>Gene</i> <u>145</u> :163-169.
Velculescu et al. (1995), "Serial Analysis of Gene Expression," <i>Science</i> <u>270</u> :484-486.
Wallace et al. (1979), "Hybridization of Synthetic Oligodeoxyribonucleotides to ϕ χ 174 DNA: The Effect of Single Base Pair Mismatch," <i>Nucleic Acids Research</i> <u>6</u> (11):3543-3557.
Wood et al. (1985), "Base Composition-Independent Hybridization in Tetramethylammonium Chloride: A Method for Oligonucleotide Screening of Highly Complex Gene Libraries," <i>Proc. Natl. Acad. Sci. USA</i> <u>82</u> :1585-1588..
Zaccolo et al. (1996), "An Approach to Random Mutagenesis of DNA Using Mixtures of Triphosphate Derivatives of Nucleoside Analogues," <i>J. Mol. Biol.</i> <u>255</u> :589-603.
Brenner et al. (1992), "Encoded Combinatorial Chemistry," <i>Proc. Natl. Acad. Sci. USA</i> <u>89</u> :5381-5383.

This Information Disclosure Statement is not intended as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any of the above references constitutes prior art to the present application within the meaning of 35 USC § 102.

As applicant has not yet received a first Action on the merits, no fee is required for filing this Information Disclosure Statement. If, however, the PTO finds that for some reason a fee is

found to be necessary, our Deposit Account No. 18-0580 may be charged therefor. **A duplicate copy of this paper is enclosed.**

Respectfully submitted,

August 27, 2001
Date

By: Mark A. Wilson
Mark A. Wilson
Registration No. 43,275

REED & ASSOCIATES
800 Menlo Avenue, Suite 210
Menlo Park, California 94025
(650) 330-0900 Telephone
(650) 330-0980 Facsimile

F:\Document\0450\0001\IDS.wpd